

## REC5435

### Intel Core 2 Duo Fan-less Embedded Controller

REC5435 is a ruggedized industrial solution, which provides extreme reliable functions, scalable processing efficiency, stackable chassis extension, rich I/O features and flexible industrial design. Ruggcore fan-less embedded computer supports Intel Core 2 Duo/ Celeron M processor with 533/667MHz FSB, DDRII 667/533 memory up to 2GB. In addition, the housing of Ruggcore series takes aluminum chassis to construct a strong mechanical structure for any harsh industrial applications.

#### Key Features

- Intel Celeron M & Core 2 Duo Process
- Fan-less
- Wide Input Voltage DC 9~36V
- Stackable Chassis Upgradable Design
- Ruggedized Housing Design
- Rich I/O (4USB, 6 COM, 2 LAN)
- Rich Video (DVI-I, HDMI, LVDS)

#### Application

- Machine Controller
- Factory Automation
- Marine
- Transportation



### Specifications

V1

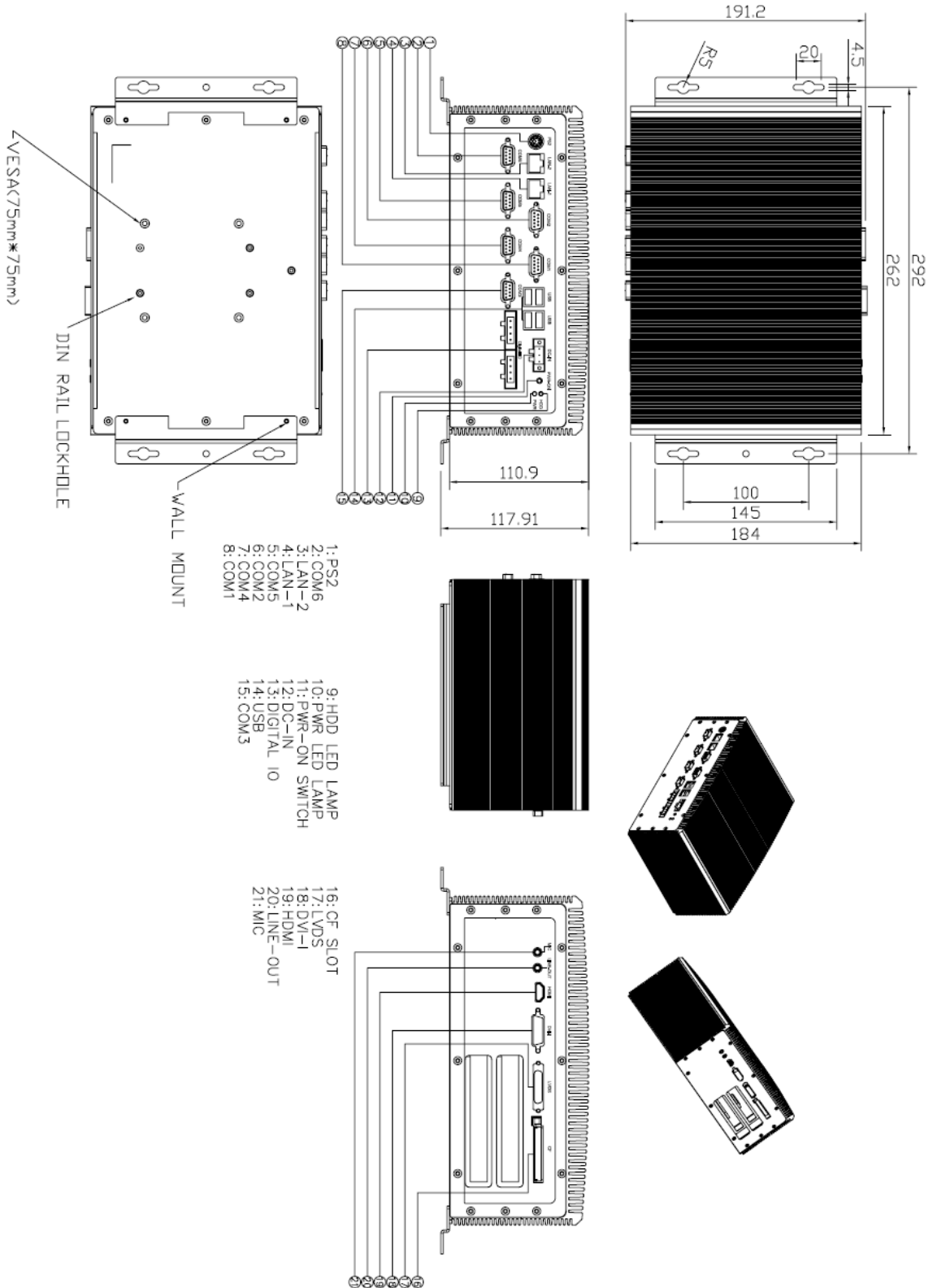
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|------------------------------|---|
| <b>Model Number</b>          | <b>REC5435</b>  |
| <b>Description</b>           | Intel Core 2 Duo Fan-less Embedded Controller   |
| <b>Processor</b>             | Intel® Core 2 Duo / Celeron M   |
| <b>Chip Set</b>              | Intel® 945GME + ICH-7M  |
| <b>System Memory</b>         | DDRII SODIMM x 1, Max. 2GB (DDRII 400/533/667)  |
| <b>Ethernet</b>              | Intel® EP82562ET, 10/100 Base-TX; Intel 82573 GbE (Gigabit Ethernet)                  |
| <b>Storage</b>               | SATA HDD x1, Compact Flash x1   |
| <b>Audio</b>                 | ALC655, Line-Out, MIC   |
| <b>I/O Interface- Front</b>  | PSII KB/MS, RJ45 x2, USB x4, COMx6 (RS232 x5, RS232/422/485 x1), Digital I/O 8 bits   |
| <b>I/O Interface- Rear</b>   | Audio Phone Jack ( Line-out, MIC-in), LVDS Connector, CF Slot, DVI-I, HDMI (Optional) |
| <b>BIOS</b>                  | Award   |
| <b>Wake On LAN</b>           | Yes   |
| <b>Extension Interface</b>   | Mini PCI; Mini PCI-E, PCI Slot, PCI-E Slot  |
| <b>Power Supply</b>          | DC Input voltage: 9V ~ 36V  |
| <b>Display</b>               | Supports CRT/LCD, Dual Simultaneous Display   |
| <b>Chip Set</b>              | Intel® 945GME Integrated  |
| <b>Memory</b>                | Shared system memory up to 224MB  |
| <b>Resolutions</b>           | Up to 2048 x 1536 (QXGA) for CRT; Up to 1600 x 1200 (UXGA) for LCD                    |
| <b>Mechanical</b>            |   |
| <b>Construction</b>          | Rugged Aluminum Alloy Chassis   |
| <b>Mounting</b>              | Wall mount, Desktop, DIN Rail   |
| <b>Dimension</b>             | 262mm (W) x 111mm(H) x 184mm(D)   |
| <b>Net Weight</b>            | 5.3kg   |
| <b>Environmental</b>         |   |
| <b>Operating Temperature</b> | 15°C ~ 50°C (5°F ~ 122°F)   |
| <b>Storage Temperature</b>   | -20°C~70°C (-4°F~158°F)   |
| <b>Operating Humidity</b>    | 5~90% @ 40°C, non-condensing  |
| <b>Vibration</b>             | 1g rms / 5~500Hz / random operation   |
| <b>Shock</b>                 | 20G peak acceleration (11msec. duration)  |
| <b>Certification</b>         | CE/FCC  |

Specifications are subject to change without notice.

## Mechanical Drawing

### Outline Dimensions

Unit:mm



## Ordering Information

| Part Number | Description  |
|-------------|--|
| REC5435-A01 | Intel Celeron M 1.86GHz(440).1GB RAM,Fanless,DC9~36V input.LAN*1,Giga LAN*1,USB*4,COM*6.DVI-I*1,HDMI*1(option),LVDS*1.CF Slot,HDD Bay*1,PCI Slot*1.PCI-E Slot*1,DI/DO*4    |
| REC5435-A02 | Intel Core2Duo 2.16GHz(T7400).1GB RAM,Fanless,DC9~36V input.LAN*1, Giga LAN*1,USB*4,COM*6.DVI-I*1,HDMI*1(option),LVDS*1.CF Slot,HDD Bay*1,PCI Slot*1.PCI-E Slot*1,DI/DO*4  |
| REC5435-A03 | Intel Core2Duo 1.66GHz (T5500).1GB RAM, Fanless,DC9~36V input.LAN*1,Giga LAN*1,USB*4,COM*6.DVI-I*1,HDMI*1(option),LVDS*1.CF Slot,HDD Bay*1,PCI Slot*1.PCI-E Slot*1,DI/DO*4 |
|             |  |

## Optional Accessories

| Part Number  | Description  |
|--------------|--|
| 840612073000 | AC-to-DC Adapter DC12V/7.0A 84W (max), with Phoenix Power Plug |
| 476000001001 | Din-rail Bracket   |
| 810501201000 | PS/2 Y Cable for Keyboard and Mouse                            |
| 810218001020 | DVI-I to DVI-D & DVI-I to VGA Port Y Cable                     |
| 800105005010 | LVDS Cable, for CM1236 & CM1555 panel, 500mm                   |
| 800105005020 | LVDS Cable, for AU1744 & AU1954 panel, 500mm                   |
| 810518001030 | HDMI cable   |
| 810618301015 | Power Cable USA Type   |
| 810618301115 | Power Cable UK Type  |
| 810618301145 | Power Cable Australia Type                                     |
| 810618301070 | Power Cable Europe Type  |
|              |  |